

62-20457

I. Dvoryanov, P. A.

Dvoryanov, P. A.
THE EFFECT OF NONMETALLIC INCLUSIONS ON
FATIGUE FAILURE IN HARDENED ShKh15 STEEL
(Vliyanie Metallicheskih Vkluyucheni v Zakalennoi Stali
ShKh15 na Ustaloostnoe Vykrashivanie). [1962] [27]p.
(foreign text included) 2 refs.
Order from OTS or SLA \$2.60

62-20457

Trans. of Podshipnik (USSR) 1953, no. 5, p. 13-19.

DESCRIPTORS: *Ball bearings, *Roller bearings, *Steel,
Hardness, Impurities, Fatigue (Mechanics), Failure
(Mechanics), Stresses

The purpose of the present work is to establish the re-
lationship between the size, shape and nature of non-
metallic inclusions and fatigue failure of hardened
ShKh15 ball-bearing steel with hardness $R_c = 61$ to 65 ,
under alternating stress.
(Machinery--Machine Parts, TT, v. 9, no. 11)

Office of Technical Services

On the Dimensioning of Components in the
Reconditioning of Tapered Radial Thrust Roller
Bearings, by M. I. Edel'shteyn, 17 p.

RUSSIAN, per, Podshipnik, 1953, No 8, pp 1-5.

SLA 60-10260

Sci
Apr 60
Vol III, No 3

111, 968

Bearings and Gears Made of Plastics, by V. K.
Petrichenko, 9 pp, (AF-673853).

RUSSIAN, ok, Podshipniki i Shesterni iz Plastmass,
publ by Mashgiz, 1952, 200 pp. 5.77 606 6 741

ATIC F-TS-8782/I

Sci - Chemistry, Engineering

Apr 58

61,700

STRUCTURE OF THE OCEAN BOTTOM, BY PAVEL ALEKSEYEVICH
KAPLIN, 9 PP.

RUSSIAN, BK, PODVODNAYA GEOLOGIYA, 1963, PP 7-16.

JPRS 19908

SCI - EAR SCI
JUL 63

235,092

UNDERWATER STUDIES OF CANYONS, BY PAVEL ALEKSEYEVICH
KAPLIN, 5 PP.

RUSSIAN, BK, PODVODNAYA GEOLOGIYA, 1963, PP 37-42
ZY

JPRS 19908

SCI - EAR SCI
JUL 63

235,093

20352

8 March 68

Automatic Brakes by A.P. Tret'yakova, pp 265-296

Russian, book, Podvishnoy Soetav i Tyago
Poyuzdov, Moscow, 1961

JPRS/100

Publish in series Translations on USSR Transport-
ation (JPRS) - extra copy of report.

repro graphics

T.O. 28 March 68

Method of Underwater Detection Based on the Use of
Magnetic and Electrical Phenomena, by A. N. Bessonov,
L. A. Gel'bukh, et al, 36 pp.
RUSSIAN, bk, Podvodnyy Polak, Moscow, 1963, pp 6-47.

JPRS 23491

Sci-Bar Sci
Mar 64

251,635

Underwater Observations from the Sver-1
satellite, by G. N. Kuselev.
USSIAV, rpt. Podvodnoye Naniyubleniya iz
satistata Serex 1, pp 21-27.
Dept of Navy tr 5257 (WI tr 2546

SI1
May 67

322,559

Heavy Portable Cranes, by A. A. Vojvodin, - 195-

RUSSIAN, bk, Pod'verno-Transportnyye Mashiny.
1952, pp 186-211.

ATD SUR-3370.

USSR
Econ
Aug 60

122,586

Lifting and Transporting Equipment,
USSR, Outlook for the Development of
the Machine Manufacture of Lifting-
Transporting Machinery, by P. I. Burnistrov,
37 pp.

RUSSIAN, ~~pp~~, Pod'yemno-Transportnoye
Oborudovaniye, Moscow, 1960, pp 54-92.

ACSI I-7310

ID 2204021165

Sci-Elect
Oct 65

290,187

Outlook for the Development of the Machine
Manufacture of Lifting-Transporting Machinery
from 1959-1965, by P. I. Burnistov, 36 pp.

FOR OFFICIAL USE ONLY

RUSSIAN, bk, Pod'yomno-Transportnaya Obor-
dovaniya, Moscow, 1960, pp 1-37. 9698312

FSTC 381-765-305

I-7317

ID 2204021165

Sci - Eng

Oct 65

288,650

The Planning and Construction of Borehole Loos
for Underground Gasification, by O. V. Kruglov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 1, 1957.

Dept of Interior
TN7, E57, No 104

USSR
Econ
Sci - Engr
Nov 59

100,575

Some Parameters Influencing the Capacity of
Gas Generating Stations, by N. V. Lavrov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
(1957, No 1.)

Dept of Interior
TN7, K57, No 106

Sci - Engr

Nov 59

100,578

The Relation Between the Aerodynamics of IR/gas
Flows and the Technological Characteristics of
the U. G. Process, by K. M. Leonovich.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 1, 1957.

Dept of Interior
TIT, E57, No 107

Sci - Fuels, Engr

Nov 59

100,577

Some Problems of Control of the Process of Under-
ground Gasification of Coals, XI by N. A.
Fedorov.

RUSSIAN, par, Podzemnaya Gazifikatsiya Ugley,
No 1, 1957, pp 16-21.

Dept of Interior
TNT, EST, No 82

Sci - Fuels

100,449

Nov 59

Experiment with the Drilling of Horizontal Wells
Boreholes From an Inclined Borehole at the Padz-
Kharov Station "Podongas", by G. S. Kulsh, A. A.
Golovinskiy, 13 pp.

RUSSIAN, per, Podz Gas Uglye, No 1, 1957, pp 46-51.

SIA 59-1513.

Sol - RUC
Sep 9 50
Vol 2, No 2

98,034

A Method of Calculating Losses of Air, Coal, and
Gas During Underground Gasification, by G. O.
Kusinov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 1,
1957, pp 22-28.

Dept of Interior
TN7, E57, No 119

Sci - Fuels

Nov 59

100,587

Increase the Scientific-Technological Information
of the Underground Gasification, by Leshiner,
Urtohenko,

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
No 1, 1957, pp 88, 89.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. No 341

Sci - Fuels

May 59

87,732

Industrial Exploitation of the Sub-Moscow Station
"Podzemgas", by F. D. Kulish.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, 1957.

Dept of Int
US Dir of Mines
Br on Continuous Coal Res
No 65

USSR

Econ
Apr 59

84, 474

Optimum Conditions for the Operation of Gas
Generators at the Moscow Area Podzemgaz Plant,
by V. I. Pan'kovski.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, 1957.

Dept of Int
US Bur of Mines
Br of Bituminous Coal Res
No 66

Sci - Engr

Apr 59

84,477

Hydraulic Disruption of Seams in the Underground
Gasification of Coal, by I. Faberov, 7 p.

RUSSIAN, per, Podz Gaz Ugley, 1958, No 1,
pp 31-34.

SIA 59-16737

Sci
Feb 60
Vol 2, No 10

188,857

The Application of Electric Current for Propagating
Anthracite Seams for Underground Gasification, by
G. N. Lyandars, A. D. Reznikov, 9 p.

RUSSIAN, par, Podzemnaya Gazifikatsiya Ugley,
1957, No 1, pp 57-60.

SLA 59-18326

Sci
Mar 60
Vol. 3, No 1.

110,895

The Contour and Completeness of Gasification
of a Coal Seam (From the Results of Opening Up
Experimental Generator No 1 at Lisichansk U. G.
Station), by V. N. Kazak.

RUSSIAN, par, Podzemnaya Gazifikatsiya Ugley,
No 2, Moscow, 1958, pp 12-15.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.

Sci - Engr
Dec 59

Tr SHO 103,041

Report on the Operations of Lisichansk Plant
Podzemgaz from 1954 to 1956, by O. V. Kruglov,
35 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya MZLya,
No 2, 1957, pp 31-38. 9671611

FTD MCL-1241/1

USSR

174, 747

Econ

28 Nov 61.

Operational Results of the Underground Coal
Gasification Plant at Lisichanski in the Years 1954
to 1956, by O. V. Kruglov, UNCL

RUSSIAN, bk, Podzemnaya Gasifikatsiya Uglya,
No 2, 1957, pp 31 38.

*ATIC MCL 1241/1 + 2

USSR

Econ

27 Jun 61.

AFICIN-4KIN 6-2291

An Experiment on the Joining of Vertical and
Slanting Boreholes in a Coal Seam, by N. A.
Fedorov, S. P. Golger.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
1957, No 2, pp 50, 51.

Dept of Interior
TW, 857, No 83

Sci - Engr, Fuels

100,447

Nov 59

The Influence of Static EM Pressure in an Under-
ground Gas-Generator on the Characteristics of
the Gasification Process, by V. S. Zagrebalskaya.

RUSSIAN, per, Podzemnaya Gasifikatsiya Ugloy;
No 2, 1957, pp 51-54.

Dept of Interior
TR7, E57, No 153

Sci - Ingr

Nov 59

100,605

Control in Directed Drilling and the Use of Mass
Spectrometer for Gas Analysis in U. G. by N. W.
Shumilovskiy, G. G. Yarmol'chuk.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, 1957, pp 61-65.

Dept of Interior
T57, E57, No 133

Sci - Engr

100,598

Nov 59

The Application of Electric Current for Purpose
of Underground Gasification, by E. A. Meyerevich.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, 1957, pp 67-74.

Dept of Interior
TN7, E57, No 114

Sci - Electron

Nov 59

109,583

The Character of Coal Seam Gasification and of
the Deformations of the Overburden During W. G.
in the Lower Moscow Basin, by I. A. Turchaninov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol II, 1957, pp 74-78.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 512

Sci - Chem, Engr

Jun 59

89,904

The Choice of Pressure Blowers for the "Podzemnye" Stations, by M. Y. Shipiro.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol II, 1957, pp 79-86.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 533

Sci - Engr

Jun 59

89,899

The "Podzemgaz" Mobile Station, by L. A.
Karchevskiy.

RUSSIAN, per, Podzemnaya Gazifikatsiya
Uglet, Vol. II, 1957, pp 86-88.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 515

USSR
Bcon
Jun 59

89,958

Pulsating Blast as a Method of Controlling Gas
Quality in U/G, by V. I. Belov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, 1957, pp 90-92.

Dept of Interior
TN7, E57, No 70

Sci - Fuels, Min/Mat

Nov 59

TE 511 100,436

Combating the Penetration of Gases From an
Underground Gas Generator Into the Workings
of No. 1 Shaft of Skuratovugol Trusts by
I. M. Pechuk.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol II, 1957, pp 100-105.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 513

Sci - Engr
Jun 59

89,940

Proposals and Ideas Arising From a Discussion
on the Present State and Immediate Future Pro-
grams for the Development of Underground
Gasification Held From the 23rd-28th May 1957,
in the USSR Academy of Sciences, XI by A. M.
Tarpigorev.

RUSSIAN, per, Podzemnaya Gasifikatsiya Ugley,
No 3, 1957, pp 7-12.

Dept of Interior
TN7, E57, No 1/50

109,604

USSR
Econ
Sec
Nov 59

The Angrensk "Podzemgaz" Station, by V. V.
Ivanov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
No 3, 1957, pp 13-16.

Dept of Int
US Bur of Mines
Central Expor Sta
Pitts., Pa. Tr 528

U.S.S.R.
ECON
Jan 59

CIA 57-12204

89,956

Underground Gasification of Coal According to
a Scheme With Preliminary Thermal Preparation
of the Coal Seam and its Two Sided Gasification,
by G. O. Kuzinov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol III, 1957, pp 16-21.

5

Dept of Int
US Bur of Mines
Central Exper Sta.
Pitts., Pa. Tr 529

Eci - Engr

SLA 59-1000

89,943

Jun 59

Experimental Research on the U. S. Process in
the No 1. Generator at the South Abinsk Station,
by I. A. Iudin, V. V. Grigoryev.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1957, pp 22-24.

Dept of Interior
TN7, B57, No 151

Sci - Ingr

Nov 59

100,607

Aerodynamic Means of Controlling the Under-
ground Gasification Process, by K. M. Leonovich.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
1977, No 3, pp 27-31.

Dept of Interior
TN7, E57, No 107

Sci - Fuels, Engr

Nov 59

109,580

The Influence of Moisture on the Process of
Underground Gasification, by N. Z. Brushtain,
V. S. Zagrebelskaya.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1957, pp 33-38.

Dept of Interior
TN7, E57, No 77

Sci - Fuels, Geophys

Kov 59

100,442

~~RUSSIAN~~ Some Cold Test Results of the No. 1
Experimental Gas Generator of the Shatak Station
"Podzemgaz", by P. K. Pitin.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol. III, 1957, pp 38-43.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 525

Sci - Engr

Jun 59

89,935

Radio-Active Methods of Preventive Supervision in the Drilling of Inclined Boreholes in a Coal Seam, by D. A. Sokolov, A. A. Kozhev, 14 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 3, 1957, pp 59-65.

SLA 60-23031

Sci
Vol IV, No 7
Apr 62

193,861

Investigation of the Properties and Selection of
Cement-Clay Grouts for Filling the Space Around
the Pipes in Gas/Air Boreholes, by V. G. Smirnov,
V. M. Petrovicheva.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1957, pp 59-65.

Dept of Interior
TN7, E57, No 136

Sci - Engr

Nov 59

100,599

The Shatak Underground Gasification Station -
A New Type of Power Undertaking, by ~~the~~ *ya.*
Kryuchkov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol IV, 1957, pp 3-7.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 530

U.S.S.R.
ECON
~~SECRET~~

SLA 57-10501

89,953

Jun 59

Some Preliminary Results From Opening Up the
Gasified Area of the No. 1 Experimental Gas
Generator at the Lisichansk Station, by P. G.
Gyutlin.

RUSSIAN, par, Podzemnaya Gazifikatsiya Uglci,
Vol IV, 1957, pp 11-15.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 534

Sci - Engr
Jun 59

89,906

...
of the ... in ...
H. ...

...
1971, p 15.

...
US ...
Central ...
Pittsburgh, Pa. No 342

... - ...

May 59

87,731

The Relationship of the Quality and Quantity of the Gas Obtained by the Underground Gasification of Moscow Coal to Geological and Hydrogeological Conditions, by A. Antonov, 4 pp.

RUSSIAN, per, Podz Gaz Ugley, No 4, 1957, pp 17-19.

SLA 59-10205.

Sci - fuels
Sep 59
Vol 2, No 2

98,040

The Fire Filtration Linkage of Boreholes With
Air at High Pressure in Hard Coal Seams, by
V. A. Smirnov, E. V. Kreinin.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, Vo
No 4, 1957, pp 24-28.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Tr 557

Sci - Engr
Dec 59

103,044

The Behaviour of Rock Strata During Underground
Gasification, by D. K. Semenenko, I. A. Turchaninov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 4,
1957, pp 31-39.

Dept of Interior
TN7, B57, No 130

Sci - Geophys

Nov 59

100,597

Methods of Solving the Problem of Roof Control
During Underground Gasification, by I. A.
Turchaninov.

RUSSIAN, per, Podzemnaya Gasifikatsiya Uglei,
Vol. IV, 1957, pp 39-41.

Dept of Int
US Bur of Mines
Central Exper Sta
Pitts., Pa. Tr 535

Sci - Engr

Jun 59

89,905

The Drainage of Underground Gas Generators, by
Y. S. Shilov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
Vol XV, Moskva, 1957, pp 49, 50.

Dept of Interior
US Bur of Mines
Central Experiment Station
Pittsburgh, Pa. Tr 316

Sci - Ingr

87 554

May 59

Radio-Active Methods of Preventive Supervision in the Drilling of Inclined Boreholes in a Coal Seam, by D. A. Sokolov, A. A. Kozlov, 14 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 3, 1957, pp 59-65.

SLA 60-23031

Sci
Vol IV, No 7
Apr 62

The Technique of Drilling Vertical And Inclined
Directed Boreholes For the Underground
Gasification of Coal, by V. S. Shirnev, 9 p.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
1957, Vol I, No 4, pp 51-55.

SLA 59-18360

Sci
Jan 60
Vol 2, No 8

*Dept of Interior
Geological Survey
Coal Research
X-1411-105,593
TN 7, E57 11-12-57*

Methods of Determining the Economic Efficiency
of Underground Gasification of Coal, by M.
Altshuler, 7 pp.

RUSSIAN, per, Podz Gaz Ugley, 1957, No 4,
pp 63-67.

SIA 59-10206

Sci - fuels
OTS I, 12
Jul 59

92, 310

Underground Gasification of Coal. The Economic
Advantages of Using Oxygen in the U.G. of Coal,
by E. Shumkova. UNCL

RUSSIAN, per, Podzem gas Uglei, No 4, 1957,
pp 67-69.

DSIR LIU (loan) M.407

Sci - Fuels
Aug 59

99, 847

A Review of "An Economic Analysis of Underground Gasification," by A. I. Kovalenko, G. D. Skulov.

RUSSIAN, per, Podzemnaya Gasifikatsiya Ugley, No 4, Moscow, 1957, pp 71, 72.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Tr 539

Sci - Fuels

103,042

Dec 59

The statement of First Construction Worker in Solid
Fuel, by V. A. Shirkov, 1958.

RUSSIAN, per, Rossiyskaya En Gazetnostaya
Ugled, No 1, 1958, pp 14-15.

Dept of Int
US Bur of Mines
Central Paper Sta
Pittsburgh, Pa. No 394

Ed 1 - 1/10/58
May 59

87,749

The Prospects of Obtaining High Calorific Gas
From t Underground Gasification of Coal, by
N. Z. Bruehtsin.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 1, 1958, pp 15-18.

Dept of Interior
TN7, B57, No 76

100,443

/Sci - Fuels, Geophys
Nov 59

Approximate Chemical Representation of the Movement
of the Combustion Centre, by R. V. Lavrov, K. M.
Trifonova.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 1,
1958, pp 18-23.

Dept of Interior
TN7, E57, No 105

Sci - Chem

Nov 59

100,577

Moisture Balance in the Process of Underground
Gasification, by A. A. Agroskin, T. M. Suhotin-
skaya, N. A. Fedorov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 1, # 1948, pp 28 - 28.

Dept of Interior
TN 7, E 57, No 69

Sci - Fuels, Geophya

100,435

Nov 59

The Regenerative Method of Carrying Out the
Underground Gasification of Coal, by P. T.
Kolesnikov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 1, 1958, pp 39-41.

Dept of Interior
Ts7, ES7, No 99

Sci - Fuels

Nov 59

100,529

Methods of Controlling the Conversion Reaction of
Carbon Monoxide With Water Vapour When Producing
Technological Gas in an Underground Generator,
by H. V. Lavrov, K. B. Trifonova.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 2, Moscow, 1958, pp 35-38.

Dept of Interior
Bu of Mines
Central Exper Sta
Pittsburgh, Pa.
Tr 541

103,027

Sci - Engr
Dec 59

Stability of the Underground Gasification Process
in the Underground Gas Generators at the B Yushno
Abinsk Podzemny Station, by I. D. Udin, V. V.
Grigoriyev.

RUSSIAN, per, ^CPodzemnaya Gazifikatsiya Uglei,
No 1, 1958, pp 41-43.

Dept of Int
US Bur of Mines
Central Exper Sta
Pittsburgh, Pa. No 343
SEP 59 - 11775

Sci - Engr

May 59

87,525

Preliminary Results of Test on Inclined Directed
Boreholes, by V. Pankovskiy, 12 p.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
1958, Vol II, No 1, pp 43-47.

SLA 59-18364

Sci
Jan 60
Vol 2, No 8

105,591

The Use of Torpedo Drills in the Installation
of Gas Generators, by V. I. Pashin, N. I.
Sokolov, 6 p.

RUSSELL, per, *Federnaya Gazetnitsiya Ugray*,
1958, Vol. II, No 1, pp 51-54.

Sci
Jan 1960
Vol 2, No 8

SLA 59-18391

SIA 59-18397
 Capt. J. B. ...
 ...
 ...
 ...
 ...
 ...

The Influence of the Principal Factors on the
Gasification Process in No 1 Panel of the Yuzhno-
Abinsk U/G Station, by M. I. Ust'nov, P. A.
Bukin.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley
No 2, 1958, pp 3-7.

Dept of Interior
TN7, E57, No 147

Sci - Fuels

100, 610

Nov 59

The Distribution and State of Slag and Packing
Material in the Gasification Void, According to
Material on the Opening-up of Experimental
Generator No 1 at Lisichansk, F. G. Tyutin.

RUSSIAN, per, Podzemnaya, Gazifikatsiya Ugley.
No 2, 1958, pp 25-30.

Dept of Interior
TN7, E57, No 144

Sci - Engr

100,603

Nov 59

The Extent of Coal Gasification in Underground
Generators in the Kuzbass, by I. D. Yudin, V. V.
Grigoryev.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 2,
1958, p 31.

Dept of Interior
TM 7, B57, No 152

Sci - Engr

Nov 59

100,609

Work Done on the Underground Gasification of
Lignite with an Air Blast and a Blast
Enriched with Oxygen at Lisichansk, by G. P.
Gligor, 9 pp.

RUSSIAN, Ser. Dokl. Gaz Ugley, No 2, 1958, pp 32-39.

SLA 59-10798

Ser - Engr
Ser 59
Vol 2, No 2

98,045

The Material Balance of the Process of Underground Gasification, by G. O. Nuzinov, 11 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley, No 2, 1958, pp 38-43.

SLA 59-10797

Sci - Chem.
Sep 59
Vol 2, No 2

*Re: [unclear]
Sci - Chem.
Sep 59
Vol 2, No 2
47,669
[unclear]*

The Use of Electric Current for Firing Under-
ground Generators, by S. N. Lyandres, A. D.
Koznikov.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley.
No 2, 1958, pp 49-51.

Dept of Interior
TN7, ES7, No 111

Sci - Electron

Nov 59

100,581

Experiment on Hydraulic Disruption of a Bituminous
Coal Seam, by F. V. Skafa, et al, 21 pp.

RUSSIAN, per, Podz Gaz Ugley, No 2, 1958, pp 21-28

SIA 59-15133

Sci - Engr
Sep 59
Vol 2, No 2

*Report of Conference
on Bituminous
Coal Seam
Disruption
1958, 1959
98,035*

The Ignition of Underground Generators, by V. I.
Pan'kovsky.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1958, pp 9-11.

Dept of Interior
TS7, E57, No 181
/A

Sci - Engr

Nov 59

100,589

The Behavior of the Roof During Gasification in
a Horizontal Inclined Channel in a Thin Coal
Seam, From the Results of Opening up Experimental
Generator No. 1 at Lisichansk, by V. M. Kozak.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1958, pp 16-20.

Dept of Interior
TNT, E57, No 103

100, 453

Sci - Engr
Nov 59

The Thermal Balance of the Process of Underground
Gasification, by A. A. Agroskin.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1958, pp 41-43.

Dept of Interior
TN7, E57, No 102

Sci - Fuels, Geophysics

100,437

Nov 59

Agroskin, A. A.
THE INFLUENCE OF MOISTURE ON THE THERMAL
AND ELECTRICAL PROPERTIES OF COAL. [1962]
[30]p. 14 refs. RM Trans. no. 1845.
Order from ODS or SLA \$1.60 62-3-774

Trans. of Podzemnaya Gazifikatsiya Uglei (USSR) 1958,
no. 3, p. 43-49

DESCRIPTORS: *Coal, Moisture, *Thermal conduc-
tivity, Specific heat, *Resistance (Electrical),
Dielectric properties, Shale.

The coefficient of thermal conductivity of coal rises
sharply as moisture increases. In cases of high mois-
ture content, the thermal conductivity variation curve
flattens out. The coefficient of temperature conduc-
tivity of coal also increases considerably as the
moisture content rises and, reaching a maximum value,
(Materials--Fuels, TI, v. 10, no. 1) (over)

I. Agroskin, A. A.
II. RM Trans. no. 1845.
III. Bureau of Mines,
Washington, D. C.

Office of Technical Services

New Data for Calculating the Water Balance of
Underground Generators, by K. P. Bogoroditskiy.

RUSSIAN, per, Podzemnaya Gazifikatsiya Uglei,
No 3, 1958, pp 44-47.

Dept of Interior
TN7, ES7, No 74

Sci .. Geophys, Engr

100,441

Nov 59

The State and Perspectives of the Work
Development on the Underground Gasification
of the Baltic Combustible Shale, by M. Ya.
Gubergits, B. Kh, Brodskaya, 1/4 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya
Ugley, No 1, 1959, pp 3-9.

OTS 60-16588

Sci
10 Mar 62
Vol 4, No 4

187, 750

Arskiy, A. K. and Yurchenko, V. P. INVESTIGATIONS IN THE REGION OF PETRO- LEUM DEPOSITS RECOVERY BY MEANS OF COM- BUSTION IN STRATUM. [1960] 8p. 27 refs. Order from LC or SLA m\$1.80, p\$1.80 61-10728 Trans. of <u>Podzemnyye Gazifikatsiya Ugley (USSR)</u> 1959, no. 2, p. 73-77. 151835 (Engineering--Chemical, TT, v. 3, no. 9)	61-10728 1. Petroleum--Recovery 2. Combustion--Applications I. Arskiy, A. K. II. Yurchenko, V. P. Office of Technical Services
--	---

Some Problems of the Shaftless Underground
Processing of Combustible Shales, by
V. K. Krukovskiy, R. M. Pitin, I. L. Farberov,
4 pp.

RUSSIAN, per, Podzemnaya Gazifikatsiya Ugley,
No 3, 1959, pp 8-10.

OTS 60-16587

Sci
10 Mar 62
Vol 4, No 4

187,751

Arakiy, A. K. and Yurchenko, V. P.
EXPERIMENTAL-INDUSTRIAL RECOVERY FROM A
PETROLEUM STRATUM BY MEANS OF COMBUS-
TION. [1960] [8]p. 6 refs.
Order from LC or SLA ml\$1.80, ph\$1.80 60-16959

Trans. of Podzemnaya Gornikatsiya Ugley (USSR)
1959, no. 4, p. 69-72.

American industrial experiments are described that
were made by the General Petroleum Corporation on
the South-Berlidge deposit in California.

(Engineering, TT, v. 5, no. 3)

60-16959

1. Petroleum--Recovery
2. Petroleum--Combustion
- I. Arakiy, A. K.
- II. Yurchenko, V. P.

142,942

Office of Technical Services

CIN 2001

Stations of the Underground Gasification of
Coals, SKPS, by I. A. Turchaninov, 6 pp.

RUSSIAN, monograph, Podzemnaya Gasifikatsiya
Ugler, 1961, pp 43-50.

JPRS 13816

Sci - Min/Met
May 62

198,572

Underground Waters in the USSR, Part II,
344 pp.
RUSSIAN, bk, Podzemnyye Vody SSSR, 1963.
DIA INT 71-69

Sci/Ear Sci
Nov 68

368,634

Podzol-Forming Process, by A. A. Rodé. 454pp.
RUSSIAN, bk, Podzolobrazovatel'nyy Pro'tes,
1937.

*CESTI TP 69-55088

sci earth sci
may 69

Rode, A. A.

The Podzol-Forming Process and the Evolution of Soils

RUSSIAN, bk, Podzoloobrazovatel'nyy Protsess i
Evolushiya Pochv, 1959, pp. 147 ff.

*PL 480
OTS 60-21835

Dec 61

Preparation of Seeds of Trees and Shrubs for
Sowing, by Z. K. Shumilina,
RUSSIAN, rpt, Podzotouka k Poseci Senyan
Drevesnykh i Kustarnikovykh Porod, 1949,
47 pp.
*C1871 TT 51300

Sci-Agri
Doc 66

CR-58/63

Train Takes Off, by A. P. Tsarenko

БК
RUSSIAN, ~~booklet~~, Poezd Otppravlyayetsa v put',
Moscow, 1962, pp 1-142.

*JPRS

USSR
Econ
Mar 63